

11/2/2018 4:35:08 PM

WILLIAM H. ROBERTS
P.E. #42712
ENGINEER OF RECORD

I HEREBY CERTIFY THAT THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE 6TH EDITION, 2017 FBC AND 2014 NEC.

PERMIT DRAWINGS FOR:

PALMETTO UMC ANNEX BUILDING

5601 16TH AVE EAST CHURCH
PALMETTO, FL 34221

OWNER: FAMILY OF GOD UNITED METHODIST

ADDRESS: 5601 16TH AVE EAST PALMETTO, FL 34221

TELEPHONE: (352) 729-6055

EMAIL: PALMETTOUMC@HOTMAIL.COM

OWNER'S REPRESENTATIVE:
FRANK COSEGLIA, CHAIRMAN LEADERSHIP COUNCIL

REVISIONS	
NO	DESCRIPTION

PROJECT NO: Project Number

FILE:

DRAWN BY: Author CHKD BY: Checker

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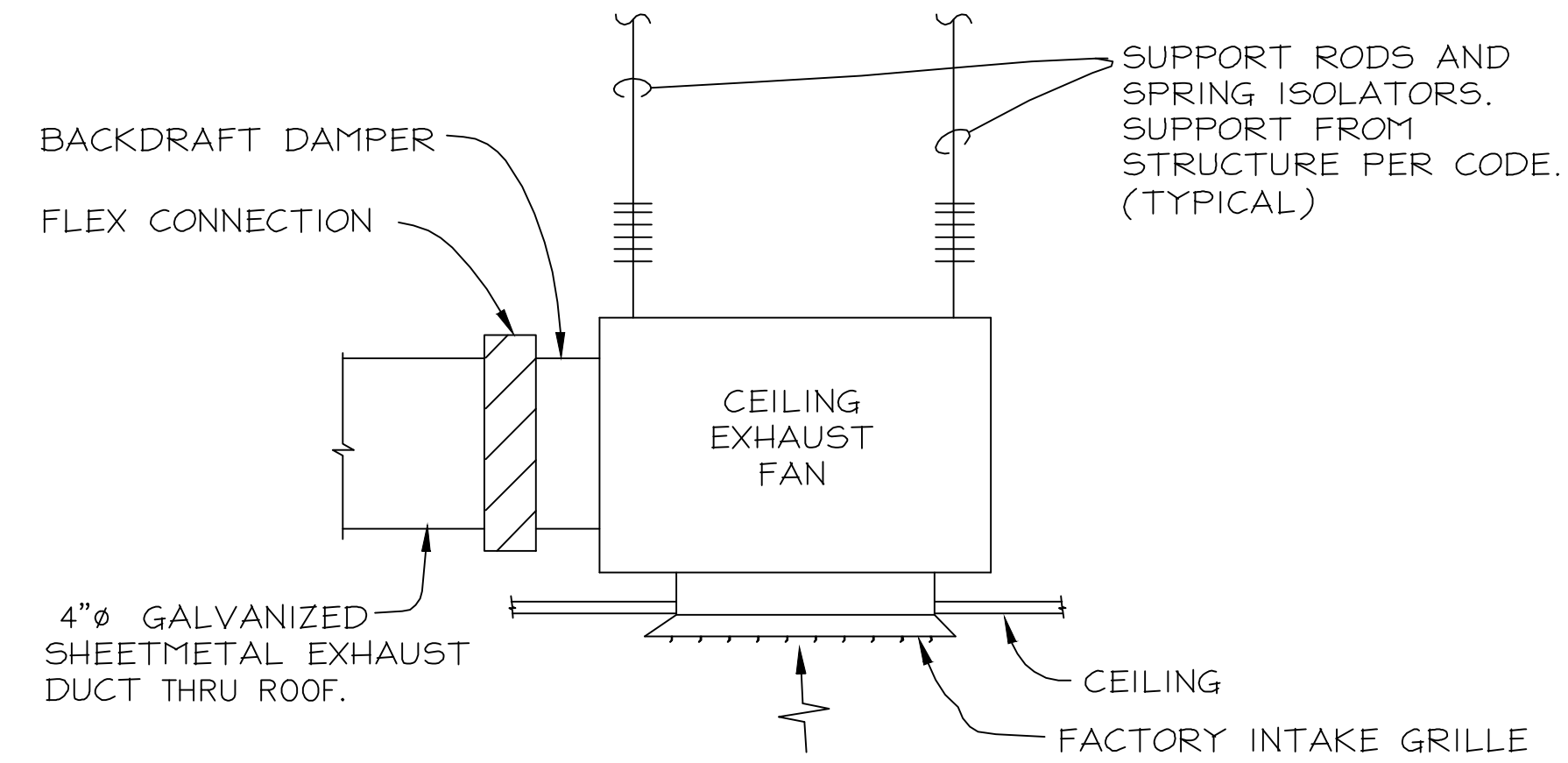
SHEET TITLE:

HVAC MECHANICAL DETAILS

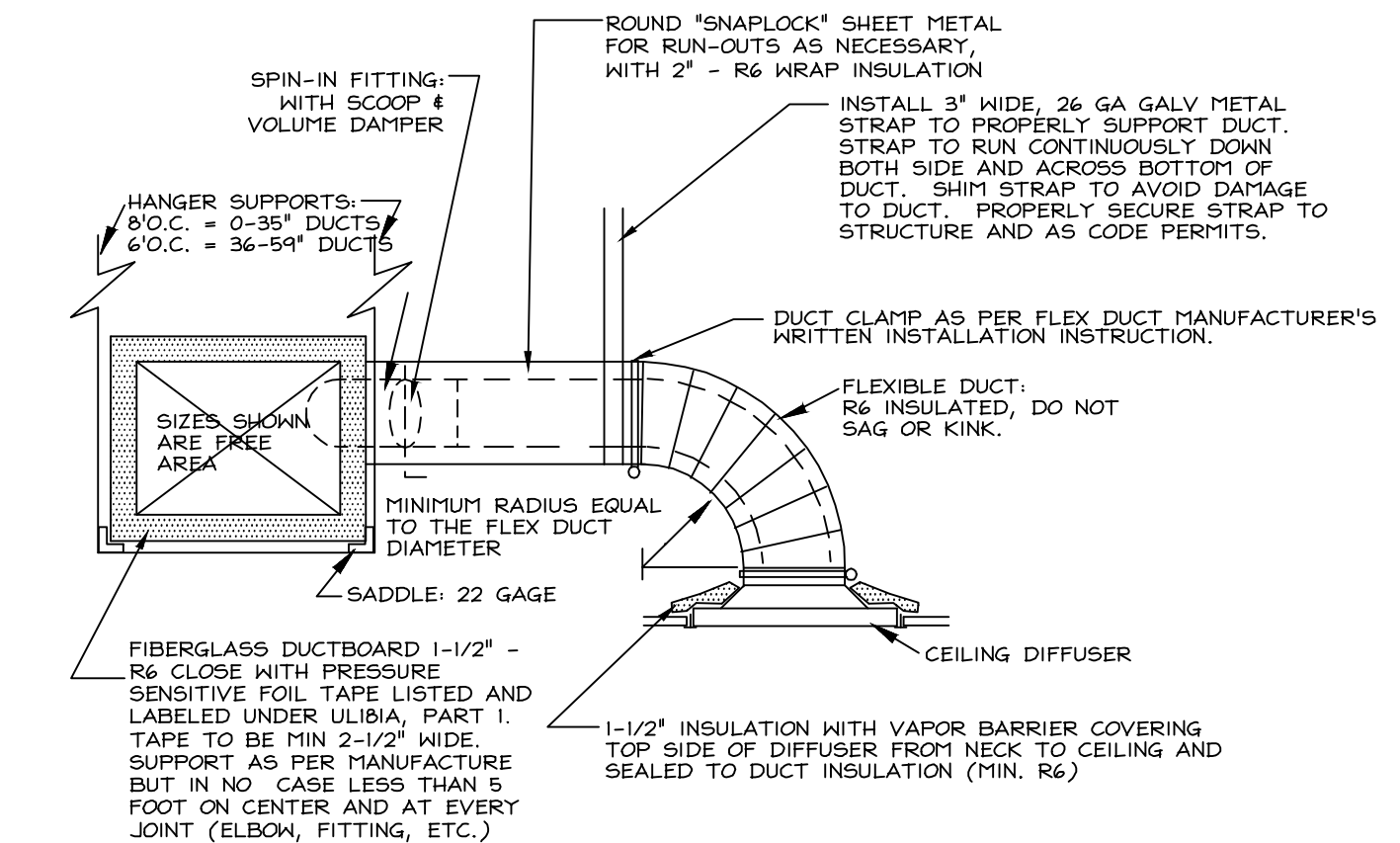
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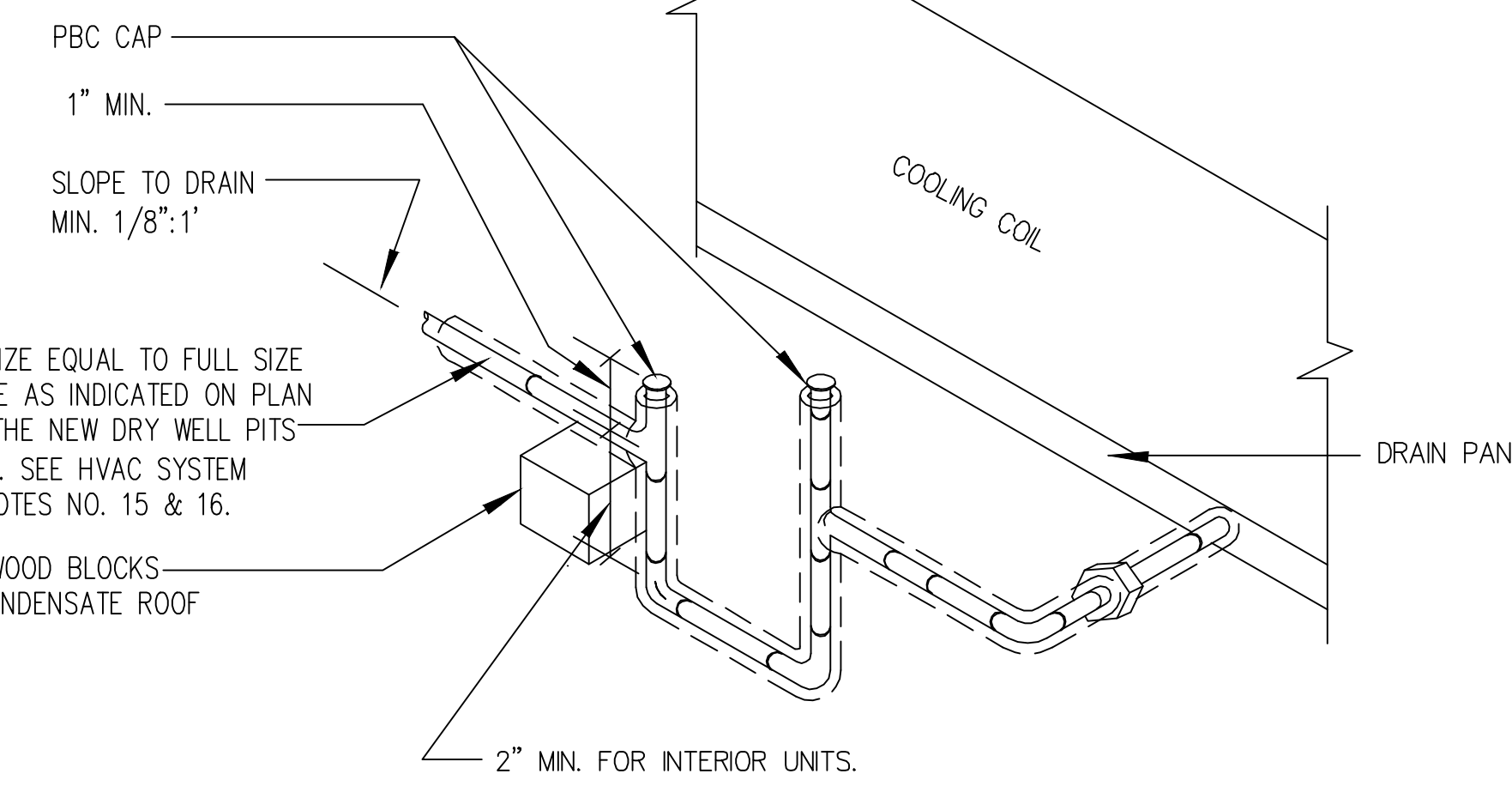
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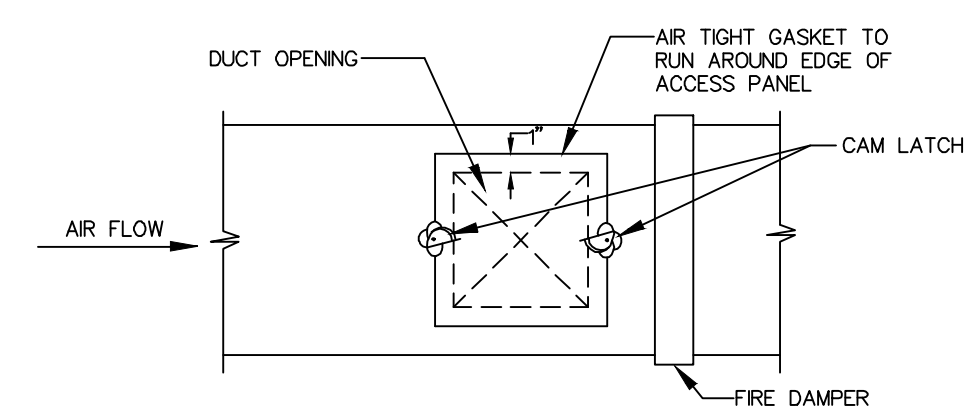
1 BATHROOM CEILING EXHAUST FAN DETAIL
N.T.S.



2 TYPICAL DUCT DETAIL
N.T.S.

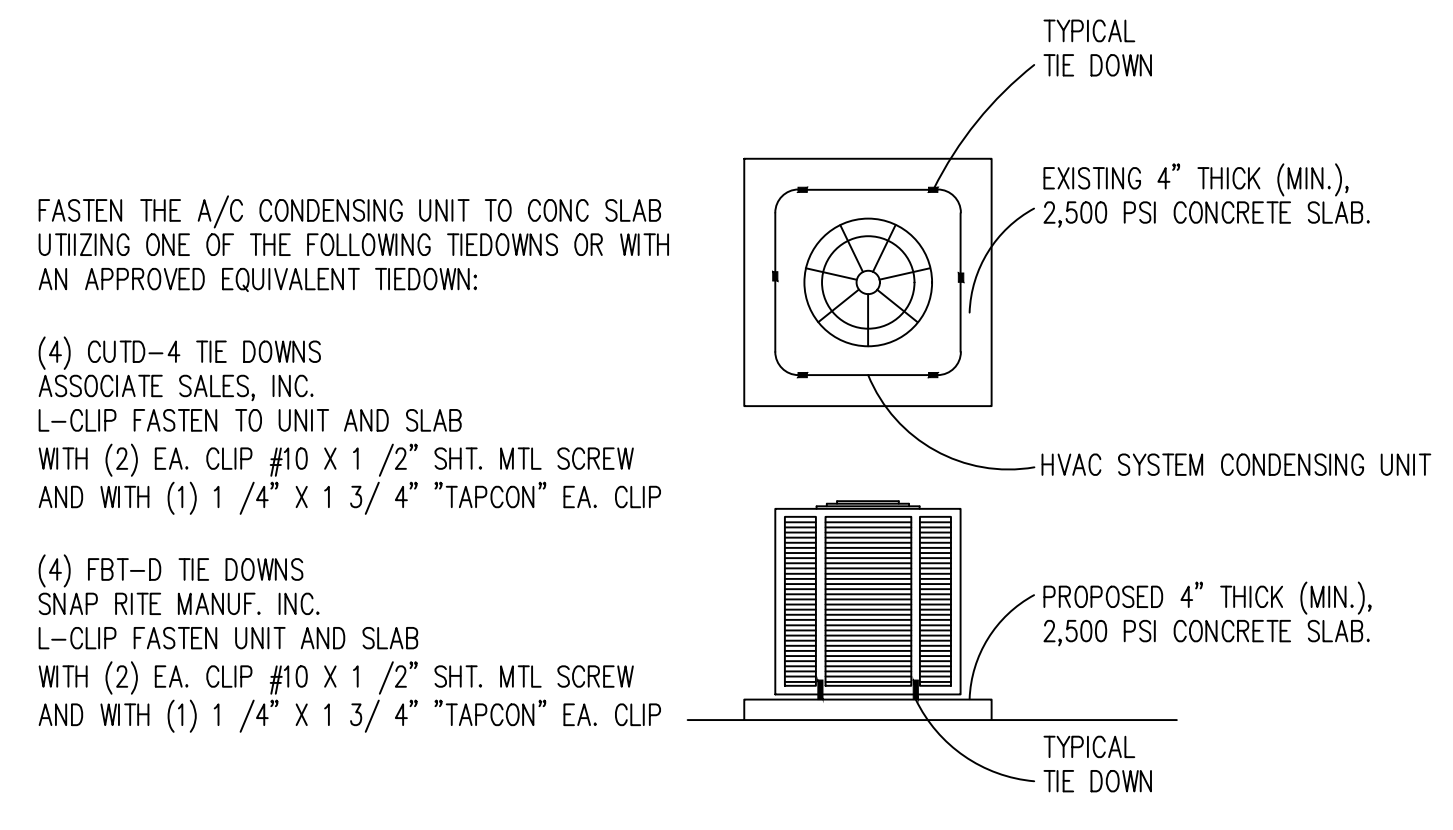


3 CONDENSATE P-TRAP DETAIL
N.T.S.

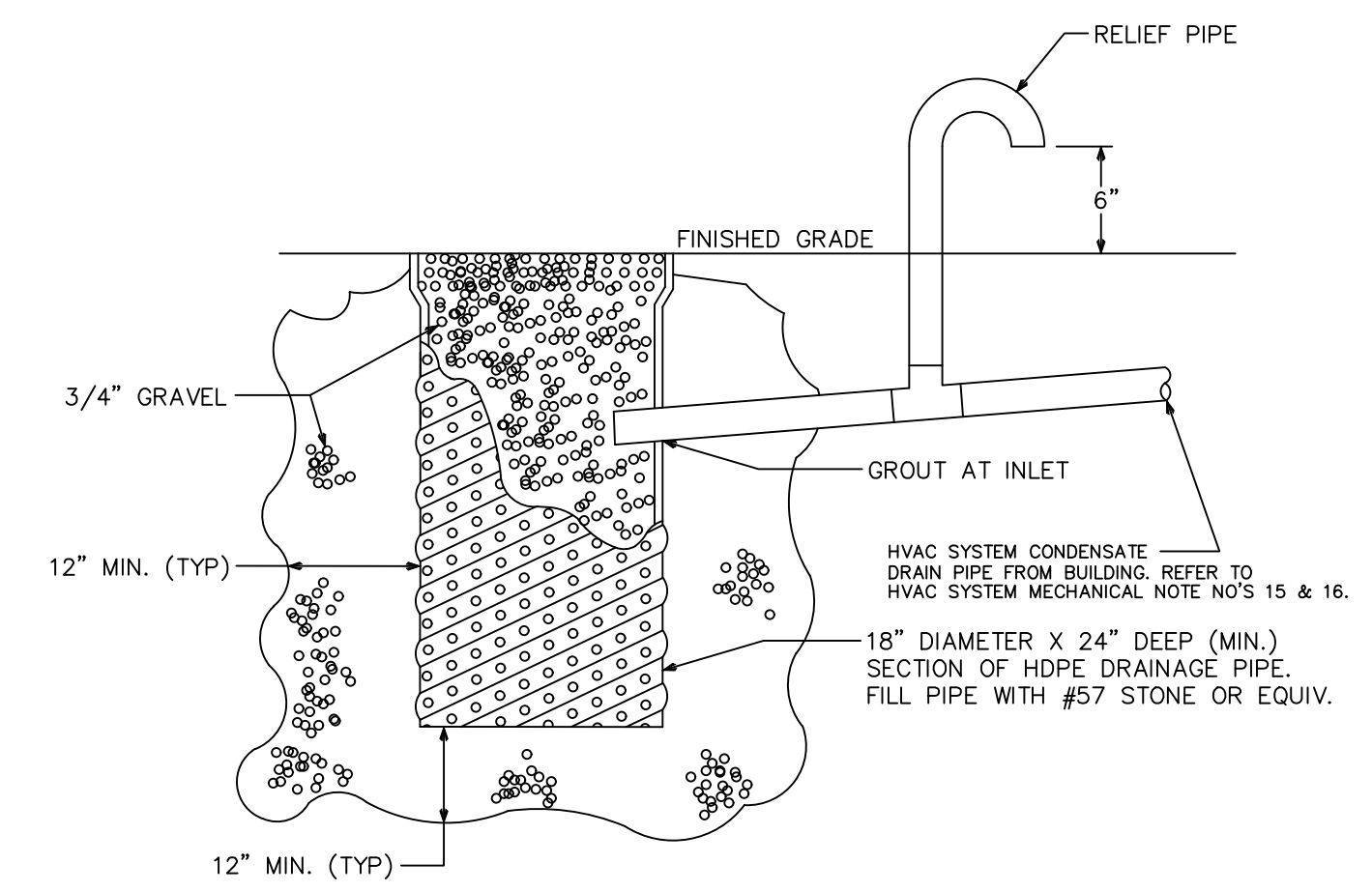


ACCESS PANEL SIZE SCHEDULE	
DUCT SIZE	ACCESS PANEL SIZE
6" TO 15"	10" W x (DAMPER DEPTH-2") D
15" TO 21"	12" W x (DAMPER DEPTH-2") D
21" AND ABOVE	18" W x (DAMPER DEPTH-2") D

4 TYPICAL DUCT ACCESS PANEL DETAIL
N.T.S.



5 CONDENSING UNIT TIE DOWN DETAIL
N.T.S.



6 CONDENSATE DRAIN DRYWELL DETAIL
N.T.S.

HVAC SYSTEM MECHANICAL NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH THE 6TH EDITION, 2017 FBC MECHANICAL CODE AS WELL AS THE 2014 N.E.C.
- HVAC CONTRACTOR IS RESPONSIBLE FOR ALL INSPECTIONS RELATING TO THE HVAC MECHANICAL WORK.
- PROVIDE ALL NECESSARY PULL/JUNCTION BOXES, SUPPORTS, CONTROLS, ELECTRICAL AND MISC. ITEMS FOR A COMPLETE CONTROL SYSTEM AS SPECIFIED, INCLUDING CONTROL WIRING.
- SEAL WATER TIGHT ALL PENETRATIONS IN ROOF AND EXTERIOR WALLS AND SIFFITS AND PREVENT OMISSIONS OF VERMIN AND INSECTS.
- INSTALL AND SUPPORT ALL DUCTWORK, GRILLES, DIFFUSERS, AND ANY OTHER SUSPENDED EQUIPMENT SECURELY TO STRUCTURE ABOVE.
- HVAC WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID CONFLICTS AND SCHEDULE DELAYS.
- CONTRACTOR TO VERIFY EQUIPMENT REQUIREMENTS AND COORDINATE WITH THE ELECTRICAL CONTRACTOR TO ENSURE THAT THE PROPER POWER IS AVAILABLE AND PROVIDED FOR ALL COMPONENTS RELATED TO THE PROPOSED HVAC SYSTEMS.
- MECHANICAL SUB CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, ACCESSORIES FOR A COMPLETE INSTALLATION.
- THE DUCT DESIGN SHOWS THE INTENT OF THE SCOPE OF WORK REQUIRED AND DUE TO ANY UNKNOWN FIELD CONDITIONS, THE CONTRACTOR SHALL MAKE ALL THE NECESSARY ADJUSTMENTS TO THE DUCT DESIGN, LAYOUT, AND CONFIGURATIONS AS REQUIRED TO PROVIDE A COMPLETE, OPERATIONAL, QUALITY INSTALLATION.
- ALL DUCT DIMENSIONS ARE NET FREE AREA. MAKE ALLOWANCES FOR INSULATION AND SEAMS WHEN VERIFYING CLEARANCES. ALL DUCT WORK SHALL BE NEW.
- ROOF PENETRATIONS MUST BE COORDINATED WITH AND APPROVED BY THE GENERAL CONTRACTOR.
- HVAC SUB CONTRACTOR SHALL KEEP AN APPROVED COPY OF THE 2017 FLORIDA ENERGY CONSERVATION CODE CALCULATIONS AND HVAC HEAT LOAD CALCULATIONS ONSITE IN THE CONSTRUCTION BOX FOR THE CITY OF PLANT CITY FIELD INSPECTORS USE DURING HVAC MECHANICAL INSPECTIONS.
- PROVIDE REDUCING FITTING AS REQUIRED ON SUPPLY AIR VENTS. INSULATE BACKS OF VENTS WITH A MIN. R6 INSULATION.
- PROVIDE 1" AIR FILTERS IN ALL RETURN AIR VENTS - REMOVE FILTERS AT UNIT.
- GC SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF THE HVAC SYSTEM CONDENSATE DRAINS AND CONDENSATE DRAIN DRYWELL PITS SHOWN ON BOTH THE M1 PLAN SHEET & THE P1 PLAN SHEET WITH BOTH THE HVAC SYSTEM SUBCONTRACTOR AND THE PLUMBING SUBCONTRACTOR TO ENSURE THAT THE CONDENSATE DRAINS ARE PROPERLY INSTALLED IN ACCORDANCE WITH THE 6TH EDITION, 2017 FBC MECHANICAL CODE.
- THE GC AS WELL AS THE HVAC SUBCONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING HVAC MANUFACTURERS CONDENSATE DRAIN SIZES FOR EACH HVAC SYSTEM SPECIFIED AS WELL AS COORDINATE THE PROPER INSTALLATION OF THE HVAC SYSTEM CONDENSATE DRAINS FOR THIS PROJECT.

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